

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P695841

Luminaire Tested: **LXF.LXT-PA16-727-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6478 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

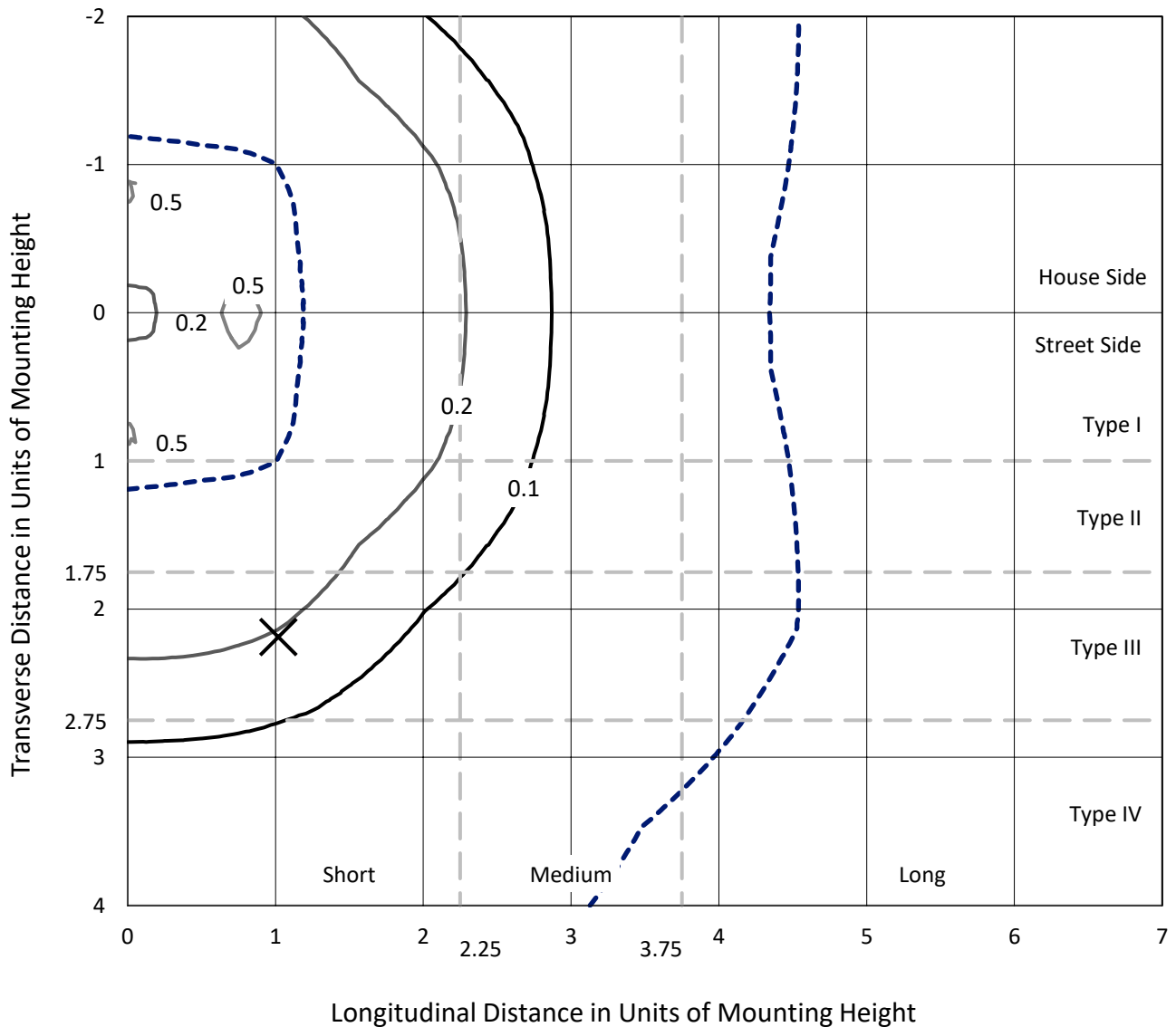
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

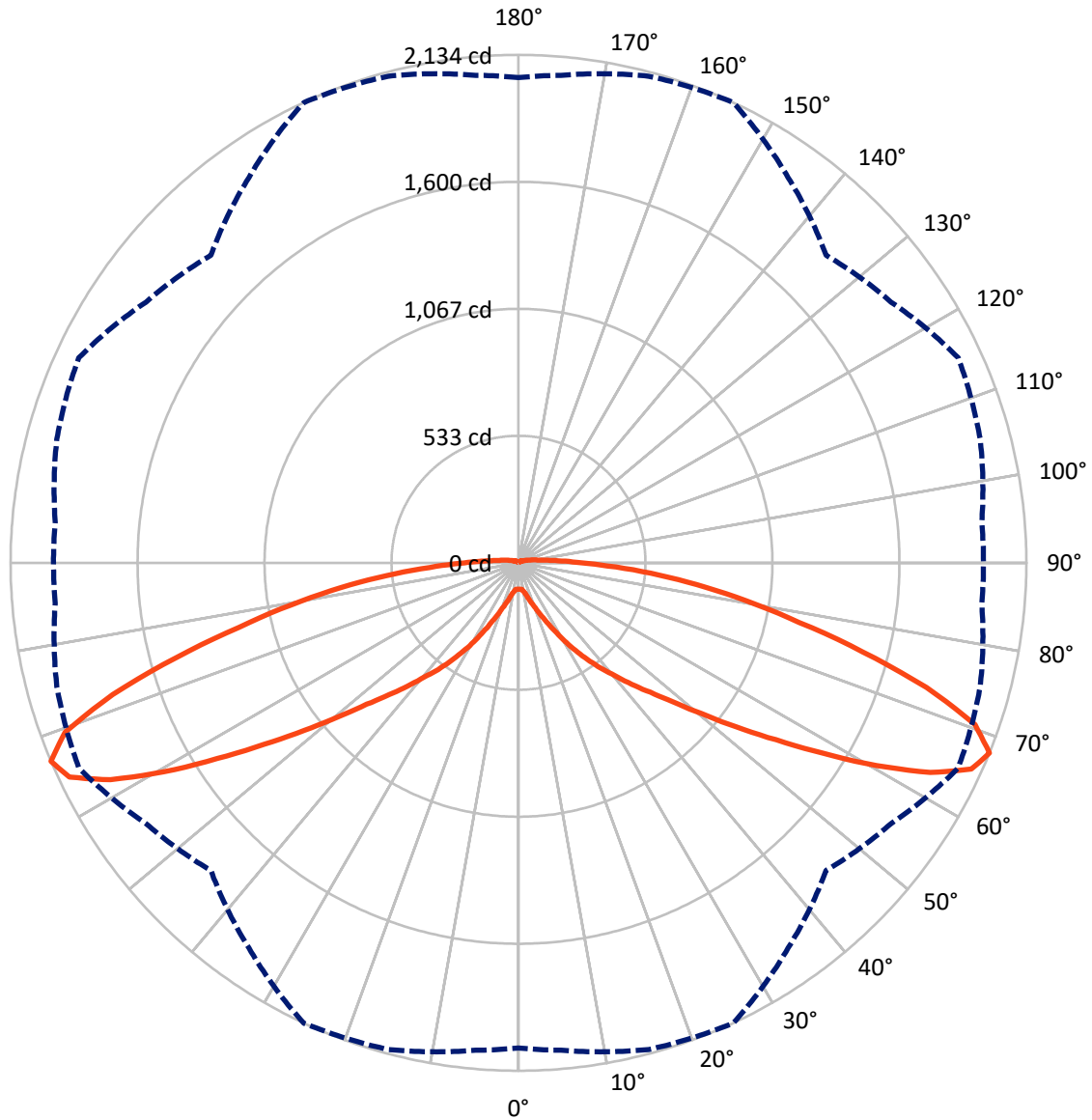
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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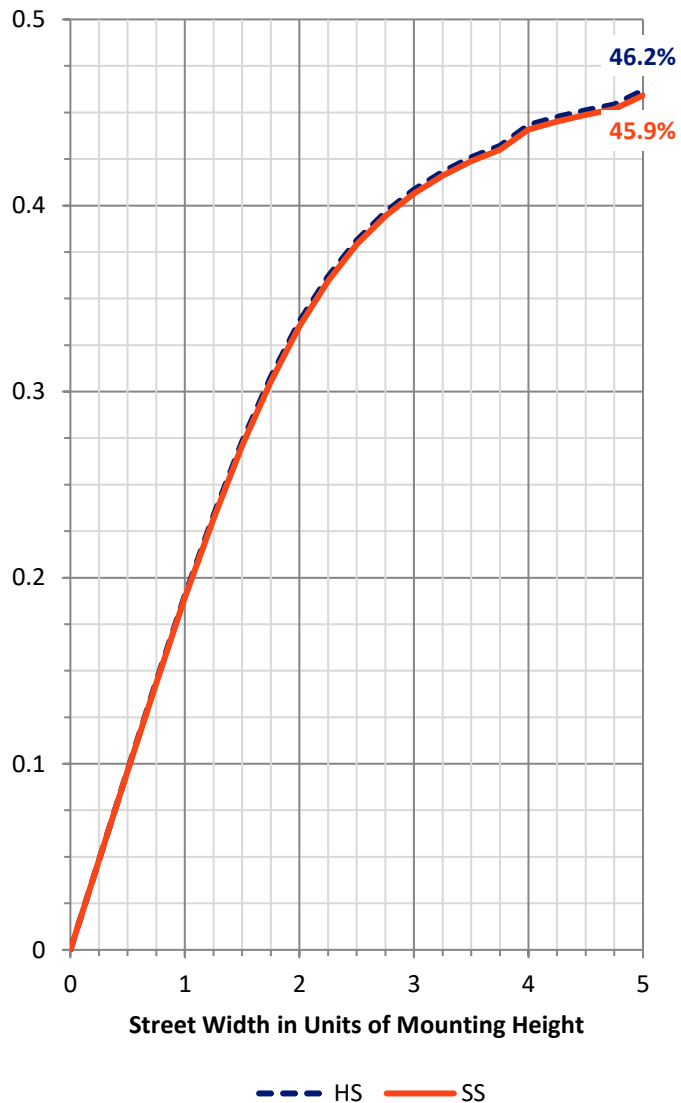
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3122.6	116.4	3239.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3122.6	116.4	3239.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	6245.3	232.7	6478.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.2
10°-20°	45.5	0.7
20°-30°	135.5	2.1
30°-40°	324.8	5.0
40°-50°	610.0	9.4
50°-60°	1158.6	17.9
60°-70°	1880.8	29.0
70°-80°	1476.7	22.8
80°-90°	602.3	9.3
90°-100°	146.8	2.3
100°-110°	46.2	0.7
110°-120°	19.5	0.3
120°-130°	10.7	0.2
130°-140°	6.4	0.1
140°-150°	2.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6245.3	96.4
0°-180°	6478.0	100.0

Coefficient of Utilization



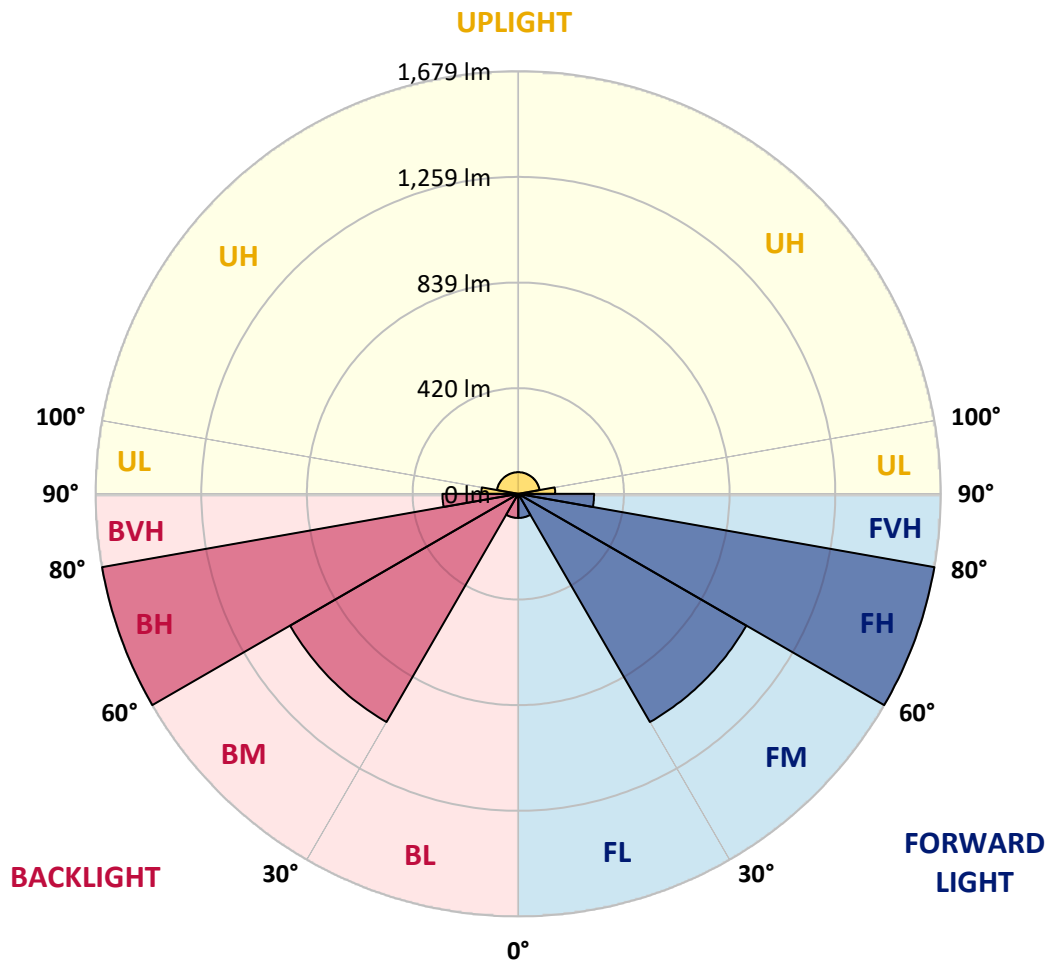
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	96.0	1.5			
FM (30°-60°)	1046.7	16.2			
FH (60°-80°)	1678.8	25.9			G1/1800
FVH (80°-90°)	301.1	4.6			G3/500
BL (0°-30°)	96.0	1.5	B0/110		
BM (30°-60°)	1046.7	16.2	B2/2500		
BH (60°-80°)	1678.8	25.9	B3/2500		G1/1800
BVH (80°-90°)	301.1	4.6			G3/500
UL (90°-100°)	146.8	2.3		U3/500	
UH (100°-180°)	85.9	1.3		U3/500	

BUG Rating: B3-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8
2.5°	108.6	108.6	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8	110.8
5°	110.8	110.8	110.8	110.8	113.0	113.0	113.0	110.8	110.8	110.8	110.8
7.5°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
10°	123.9	123.9	121.7	123.9	121.7	121.7	121.7	119.5	121.7	121.7	121.7
12.5°	139.1	139.1	136.9	134.7	132.6	130.4	130.4	130.4	132.6	134.7	134.7
15°	160.8	160.8	158.6	154.3	147.8	145.6	147.8	149.9	152.1	156.5	156.5
17.5°	186.9	186.9	182.5	176.0	169.5	167.3	169.5	173.8	178.2	182.5	184.7
20°	219.5	217.3	213.0	202.1	195.6	193.4	195.6	199.9	208.6	215.1	215.1
22.5°	258.6	258.6	249.9	236.9	226.0	223.8	223.8	234.7	245.5	256.4	258.6
25°	306.4	308.6	295.5	276.0	262.9	256.4	260.8	276.0	295.5	308.6	312.9
27.5°	369.4	367.2	349.8	323.8	302.0	291.2	302.0	323.8	352.0	367.2	373.7
30°	434.6	434.6	412.9	380.3	347.7	334.6	349.8	378.1	412.9	436.8	441.1
32.5°	499.8	499.8	473.7	438.9	397.7	378.1	397.7	443.3	488.9	519.3	525.9
35°	569.3	573.7	541.1	497.6	447.6	428.1	452.0	508.5	567.1	599.7	601.9
37.5°	625.8	625.8	604.1	560.6	499.8	475.9	508.5	584.5	645.4	673.6	682.3
40°	699.7	701.9	675.8	621.5	558.5	530.2	571.5	649.7	697.5	710.6	714.9
42.5°	775.7	777.9	756.2	697.5	619.3	588.9	630.2	699.7	743.2	762.7	769.2
45°	847.5	854.0	832.2	775.7	693.2	649.7	686.7	764.9	821.4	843.1	849.6
47.5°	943.1	953.9	930.0	871.4	775.7	723.6	762.7	860.5	927.9	945.2	945.2
50°	1056.1	1066.9	1058.2	995.2	880.0	814.9	869.2	977.8	1047.4	1071.3	1069.1
52.5°	1206.0	1210.3	1201.6	1143.0	1010.4	930.0	988.7	1121.2	1188.6	1179.9	1190.8
55°	1362.4	1373.3	1379.8	1312.5	1171.2	1071.3	1151.7	1282.0	1332.0	1336.4	1334.2
57.5°	1551.5	1568.9	1562.4	1510.2	1349.4	1245.1	1325.5	1453.7	1525.4	1521.1	1531.9
60°	1753.6	1762.3	1779.7	1729.7	1571.0	1429.8	1518.9	1668.8	1714.5	1681.9	1686.2
62.5°	1916.6	1929.6	1960.0	1940.5	1771.0	1618.9	1712.3	1834.0	1860.1	1827.5	1834.0
65°	2046.9	2057.8	2105.6	2090.4	1925.2	1768.8	1855.7	1979.6	1986.1	1938.3	1933.9
67.5°	2038.2	2055.6	2116.5	2133.8	1975.2	1827.5	1910.0	2038.2	2007.8	1953.5	1953.5
70°	1894.8	1897.0	1970.9	2033.9	1890.5	1753.6	1849.2	1940.5	1912.2	1849.2	1840.5
72.5°	1627.5	1653.6	1738.4	1792.7	1699.3	1590.6	1649.3	1738.4	1644.9	1558.0	1551.5
75°	1314.6	1310.3	1388.5	1492.8	1445.0	1353.8	1423.3	1442.8	1358.1	1284.2	1266.8
77.5°	1049.5	1058.2	1125.6	1206.0	1197.3	1138.6	1158.2	1175.6	1099.5	1021.3	1016.9
80°	836.6	836.6	919.2	971.3	973.5	949.6	953.9	943.1	862.7	812.7	804.0
82.5°	625.8	630.2	686.7	754.0	797.5	791.0	775.7	743.2	678.0	623.6	621.5
85°	425.9	434.6	482.4	556.3	619.3	634.5	625.8	551.9	471.5	419.4	412.9
87.5°	280.3	286.8	315.1	373.7	456.3	497.6	462.8	382.4	315.1	286.8	278.1
90°	189.0	193.4	210.8	243.4	319.4	362.9	323.8	252.1	206.4	186.9	186.9
92.5°	128.2	130.4	143.4	165.1	215.1	252.1	217.3	167.3	139.1	126.0	123.9
95°	86.9	89.1	97.8	113.0	147.8	169.5	147.8	110.8	97.8	89.1	86.9
97.5°	67.4	69.5	73.9	82.6	104.3	117.3	102.1	82.6	73.9	69.5	67.4
100°	54.3	54.3	60.8	65.2	76.1	84.7	76.1	63.0	58.7	54.3	54.3
102.5°	43.5	45.6	47.8	52.2	60.8	67.4	60.8	50.0	45.6	43.5	43.5
105°	34.8	34.8	36.9	41.3	47.8	52.2	47.8	41.3	36.9	34.8	32.6
107.5°	28.2	26.1	30.4	34.8	39.1	43.5	39.1	32.6	28.2	26.1	26.1
110°	21.7	21.7	23.9	28.2	32.6	34.8	32.6	26.1	23.9	21.7	21.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	17.4	17.4	19.6	21.7	28.2	30.4	26.1	21.7	19.6	17.4	17.4
115°	15.2	15.2	15.2	19.6	23.9	26.1	23.9	17.4	15.2	15.2	15.2
117.5°	13.0	13.0	13.0	15.2	19.6	21.7	19.6	15.2	13.0	13.0	13.0
120°	13.0	13.0	13.0	13.0	17.4	19.6	17.4	13.0	13.0	13.0	13.0
122.5°	10.9	10.9	10.9	13.0	15.2	17.4	15.2	13.0	10.9	10.9	10.9
125°	10.9	10.9	10.9	10.9	13.0	15.2	13.0	10.9	10.9	10.9	10.9
127.5°	8.7	8.7	8.7	10.9	13.0	13.0	13.0	10.9	8.7	8.7	8.7
130°	8.7	8.7	8.7	8.7	10.9	10.9	10.9	8.7	8.7	8.7	8.7
132.5°	8.7	8.7	8.7	8.7	10.9	10.9	10.9	8.7	8.7	8.7	8.7
135°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
137.5°	6.5	6.5	6.5	6.5	6.5	8.7	6.5	6.5	6.5	6.5	6.5
140°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
142.5°	6.5	6.5	4.3	4.3	6.5	6.5	4.3	4.3	4.3	6.5	6.5
145°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	2.2	2.2	2.2	2.2	2.2	4.3	2.2	2.2	2.2	2.2	2.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)